jc973 U.S. PTO 09/28/01

10-01-9

PTO/SB/05 (4-98)
Approved for use through 09/30/2000 OMB 0651-0032
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jc971 U.S. PTO 09/967143 09/28/01

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b).

Attorney Docket No.	SD-8342
First Inventor or Application Identifier	DOTY
Title	BORON NITRIDE SOLID STATE NEUTRON DETECTOR
Express Mail Label No.	EF088565375US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. [X] *Fee Transmittal Form (e.g., PTO/SB/17) *(Submit an original and duplicate for fee processing)*
2. [X] Specification [Total Pages 9]
   (preferred arrangement set forth below)
   - Descriptive title of the Invention
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R & D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s)
   - Abstract of the Disclosure
3. [X] Drawing(s) *(35 U.S.C. 113)* [Total Sheets 6]
4. [X] Oath or Declaration [Total Pages 2]
   a. [X] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 C.F R. § 1.63(d)) *(for continuation/divisional with Box 16 completed)*
      i. [ ] DELETION OF INVENTOR(S) Signed statement attaced deleting inventor(s) named in the prior application, see 37 C.F R. §§ 1.63(d)(2) and 1.33(b).

NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C F R § 1 27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C F R § 1 28)

ADDRESS TO:

Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

5. [ ] Microfiche Computer Program *(Appendix)*
6. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
   a. [ ] Computer Readable Copy
   b. [ ] Paper Copy (identical to computer copy)
   c. [ ] Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. [ ] Assignment Papers (cover sheet & document(s))
8. [ ] 37 C.F.R. § 3 73(b) Statement *(when there is an assignee)*
9. [ ] English Translation Document *(if applicable)*
10. [X] Information Disclosure Statement (IDS)/PTO-1449
11. [ ] Preliminary Amendment
12. [X] Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
13. [ ] *Small Entity Statement(s) *(PTO/SB/09/12)*
14. [ ] Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
15. [ ] Other: _____

[X] Power of Attorney
[X] Copies of IDS Citations
[ ] Statement filed in prior application, Status still proper and desired

16. **If a CONTINUING APPLICATION,** *check appropriate box, and supply the requisite information below and in a preliminary amendment*
    [ ] Continuation [ ] Divisional [ ] Continuation-in-part (CIP) of prior application No.: _____
    Prior application information: Examiner _____ *Group / Art Unit:* _____
    For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

[X] *Customer Number or Bar Code Label* **0215868** *or* [ ] *Correspondence address below*
(Insert Customer No. or Attach bar code label here)

Name	Timothy Evans				
	MS 9031				
Address	Sandia National Laboratories				
	7011 East Avenue				
City	Livermore	State	CA	Zip Code	94550
Country	USA	Telephone	(925) 294-3690	Fax	(925) 294-3389

Name (Print/Type)	Timothy P Evans/	Registration No. (Attorney/Agent)	Date 9/28/01
Signature		41,013	

Burden Hour Statement This form is estimated to take 0 2 hours to complete Time will vary depending upon the needs of the individual case Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FILES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

PTO/SB/17 (12-99)
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FEE TRANSMITTAL FOR FY 2001

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
Otherwise large entity fees must be paid See Forms PTO/SB/09-12

TOTAL AMOUNT OF PAYMENT ($) ***710.00***

Complete if Known	
Application Number	not assigned
Filing Date	09/28/2001
First Named Inventor	DOTY
Examiner Name	not assigned
Group / Art Unit	not assigned
Attorney Docket No.	SD-8342

METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge

1. ☒ indicated fees and credit any over payments to:

Deposit Account Number: 50-0583

Deposit Account Name: SNL by KCO

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. **Payment Enclosed:**

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Large Entity Fee ($)	Small Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
101	690	201	380	Utility filing fee	710.
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	690	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) $ 710.00

2. EXTRA CLAIM FEES

	Extra Claims		Req. Fee		Fee Paid
Total Claims	6	-20**= 0	X 18.	=	0.0
Independent Claims	2	- 3**= 0	X 80.	=	0.0
Multiple Dependent				=	

**or number previously paid, if greater, For Reissues, see below

Large Fee Code	Large Entity Fee ($)	Small Fee Code	Small Entity Fee ($)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Large Entity Fee ($)	Small Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge – late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840	11	1,840	Requesting publication of SIR after Examiner	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final refection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
				Other fee (specify) _____	
				Other fee (specify) _____	

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($)

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Timothy P. Evans	Reg Number (Attorney/Agent)	41,013	Telephone (925) 294-3690
Signature		Date	9/28/01	

WARNING:
Information on this form may become public Credit card information should not be Included on this form. Provide credit card information and authorization on PTO-2038

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PTO/SB/35 (11-00)
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U.S. Patent and Trademark Office; U. S DEPARTMENT OF COMMERCE
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NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

First Named Inventor	DOTY
Title	BORON NITRIDE SOLID STATE NEUTRON DETECTOR
Atty Docket Number	SD-8342

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

9/28/01
Date

Signature

Timothy Evans
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing.**

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14 This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

PTO/SB/35 (11-00)

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U. S. Postal Service on **SEPTEMBER 28, 2001**, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EF088565375US , addressed to: Box Provisional Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: 9/28/01

Maria Matos
Person Making Deposit

Signature Maria Matos

"Express Mail" Mailing Label No. EF088565375US

PROVISIONAL PATENT APPLICATION

BORON NITRIDE SOLID STATE NEUTRON DETECTOR

INVENTOR:

F. Patrick DOTY
Livermore, CA

A CITIZEN OF THE UNITED STATES OF AMERICA